



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

EDGAR BENJAMIN CAHOON

CASE NO.: BB1465USCNT

APPLICATION NO.: 10/759813

CONFIRMATION NO.:

GROUP ART UNIT: 1645

EXAMINER:

FILED: JANUARY 15, 2004

FOR: A CYTOCHROME P450-DEPENDENT ENZYME ASSOCIATED WITH THE
SYNTHESIS OF THE EPOXY GROUP OF VERNOLIC ACID

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08 and PTO-892 Forms.

Benefit of the earlier filing date of U.S. Patent Application No. 09/909,566, filed July 20, 2001 is claimed under 35 U.S.C. 120 for the above-referenced application and only copies of information not previously made of record in the parent are enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

JONATHON NARITA
AGENT FOR APPLICANT
Registration No.: 53,369
Telephone: (302) 695-3127
Facsimile: (302) 892-1026

Dated: May 21, 2004

Enclosures

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Complete if Known

Application Number	10/759813
Filing Date	JANUARY 15, 2004
First Named Inventor	Edgar Benjamin Cahoon
Art Unit	1645
Examiner Name	
Attorney Docket Number	BB1465 USCNT

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	1	WO 98 46762 A	10-22-1998	COMMONWEALTH SCI.		
				AND IND. RES. ORG.		
	2	WO 98 56922 A	12-17-1998	DUPONT		
	3	WO 98 59042 A	12-30-1998	WASH. STATE UNIV.		
				RES. FOUNDATION		

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Complete if Known

Application Number	10/759813
Filing Date	January 15, 2004
First Named Inventor	Edgar Benjamin Cahoon
Art Unit	1645
Examiner Name	Kathleen M. Kerr
Attorney Docket Number	BBI465 USCNT

Sheet 1 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	CRAIG SEITHER ET AL., Isolation of Cytochrome P-450 Genes from Vernonia Galamensis, Phys., Biochem. & Mol. Biol. of Plant Lipids, pp. 389-391, 1997, XP002080169	<input type="checkbox"/>
	2	ELIZABETH BLEE ET AL., Regio-and Stereoselectivity of Cytochrome P-450 and Peroxygenase-Dependent Formation of Cis-12,13-Epoxy-9(Z)-Octadecenoic Acid (Vernolic Acid) in Euphorbia Lagascae, Biochem. & Biophys. Res. Comm., Vol. 197(2):778-784, December 15, 1993, XP002211220	<input type="checkbox"/>
	3	MAUREEN BAFOR ET AL., Biosynthesis of Vernoleate (cis-12-Epoxyoctadeca-cis-9-enoate) in Microsomal Preparations from Developing Endosperm of Euphorbia lagascae, Arch. of Biochem. & Biophys., Vol. 303(1):145-151, May 15, 1993, XP001087607	<input type="checkbox"/>
	4	EMBL LIBRARY DATABASE ACCESSION NO: Y10490, JULY 17, 1998, C. R. SCHOPFER ET AL., Identification of elicitor-induced cytochrome P450s of soybean (glycine max L.) using differential display of mRNA, XP002211222	<input type="checkbox"/>
	5	EMBL LIBRARY DATABASE ACCESSION NO: O81971, DECEMBER 15, 1998, C. R. SCHOPFER ET AL., Identification of elicitor-induced cytochrome P450s of soybean (glycine max L.) using differential display of mRNA, XP002211223	<input type="checkbox"/>
	6	EMBL LIBRARY DATABASE ACCESSION NO: AF122821, JANUARY 24, 2000, B. J. OH ET AL., A Cytochrome P450 gene is differentially expressed in compatible and incompatible interactions between pepper (Capsicum annuum) and the anthracnose fungus, Colletotrichum gloeosporioides	<input type="checkbox"/>

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Sheet

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Application Number	10/759813
Filing Date	JANUARY 15, 2004
First Named Inventor	Edgar Benjamin Cahoon
Art Unit	1645
Examiner Name	Kathleen M. Kerr
Attorney Docket Number	BB1465S USCNT

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	7	DATABASE BIOSCIENCES INFORMATION SERVICE, REINHARD VOGEL ET AL., 1993, Seed oils for new chemical applications: 1. Vernolic acid produced by Euphorbia lagascae, Database Accession No. PREV199396038668, XP002211224	<input type="checkbox"/>
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Application Number	10/759,813
Filing Date	JANUARY 15, 2004
First Named Inventor	EDGAR B. CAHOON
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1465 US CNT

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
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FOREIGN PATENT DOCUMENTS							
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		WORLD	94/11516	A1	E.I. DU PONT DE NEMOURS & CO.	05-26-1994	
		WORLD	98/46762	A1	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	10-22-1998	
		WORLD	00/11176	A2	E.I. DU PONT DE NEMOURS & CO.	03-02-2000	
		EUROPE	0242236	B2	PLANT GENETIC SYSTEMS N.V.	10-21-1987	

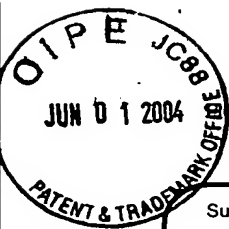
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Sheet

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of

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Application Number	10/759813
Filing Date	JANUARY 15, 2004
First Named Inventor	EDGAR B. CAHOON
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1465 US CNT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		R. C. BADAMI ET AL., PROG. LIPID RES., VOL. 19:119-153, 1981, STRUCTURE AND OCCURRENCE OF UNUSUAL FATTY ACIDS IN MINOR SEED OILS	
		JOHN B. OHLROGGE, PLANT PHYS., VOL. 104:821-826, 1994, DESIGN OF NEW PLANT PRODUCTS: ENGINEERING OF FATTY ACID METABOLISM	
		MAUREEN BAFOR ET AL., ARCH. OF BIOCHEM. & BIOPHYS., VOL. 303(1):145-151, 1993, BIOSYNTHESIS OF VERNOLEATE (CIS-12-EPOXYOCTADECACIS-9-ENOATE) IN MICROSOMAL PREPARATIONS FROM DEVELOPING ENDOSPERM OF EUPHORBIA LAGASCAE	
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		JACK K. OKAMURO ET AL., BIOCHEM. OF PLANTS, VOL. 15:1-82, 1989, REGULATION OF PLANT GENE EXPRESSION: GENERAL PRINCIPLES	

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Sheet 2 of 6

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Application Number	10/759813
Filing Date	JANUARY 15, 2004
First Named Inventor	EDGAR B. CAHOON
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1465 US CNT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		ROISIN TURNER ET AL., MOL. BIOTECH., VOL. 3:225-236, 1995, THE POTENTIAL EXPLOITATION OF PLANT VIRAL TRANSLATIONAL ENHANCERS IN BIOTECHNOLOGY FOR INCREASED GENE EXPRESSION	
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		MAARTEN J. CHRISPEELS, ANNU. REV. PLANT PHYS. PLANT MOL. BIOL., VOL. 42:21-53, 1991, SORTING OF PROTEINS IN THE SECRETORY SYSTEM	
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		ELWYN Y. LOH ET AL., SCIENCE, VOL. 243:217-220, 1989, POLYMERASE CHAIN REACTION WITH SINGLE-SIDED SPECIFICITY: ANALYSIS OF T CELL RECEPTOR & CHAIN	

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Sheet 3 of 6

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Group Art Unit	Unknown
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		MICHAEL A. FROHMAN ET AL., METH. CELL & MOL. BIOL., VOL. 1(3):165-170, 1989, RAPID AMPLIFICATION OF CDNA ENDS USING NESTED PRIMERS	
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Group Art Unit	Unknown
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Attorney Docket Number	BB1465 US CNT

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Application Number	10/759813
Filing Date	JANUARY 15, 2004
First Named Inventor	EDGAR B. CAHOON
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1465 US CNT

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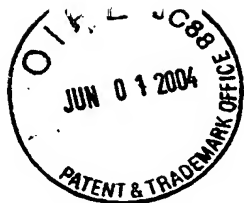
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